

REMARKS/ARGUMENTS

Claims 10-25 are pending in this application. Claims 10 and 16-19 have been amended.
No new matter has been added.

Claim Rejections under 35 U.S.C. §112

Claims 16, 18 and 21-22 have been rejected under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The claims have been amended to overcome the rejection, and therefore withdrawal of the rejection is respectfully requested.

Claim Rejections under 35 U.S.C. §103

Claims 10-12, 15-21 and 24-25 have been rejected under 35 U.S.C. §103(a) as being unpatentable over Abrahams, U.S. Publication 2002/0120934 in view of Arsenault et al., U.S. Patent No. 6,925,650. Applicants request reconsideration of the rejection for the following reasons.

The present invention includes that the information registering device sends a first identification information containing an object information relevant to an indicated desired object from the displayed image, a first keyword information entered by a user and a first reference information relevant to the content rendered by media to the database. Further, the database links the first identification information, the first keyword information and the first reference information received from the information registering device through the computer network, and stores the linked information. Further, the database performs a first matching

process to match the first keyword information from the information registering device and the second keyword information from the information viewing device and provides at least one of the first identification information and the first reference information linked to the first keyword information according to the result of the first matching process to the information viewing device. According to this invention, a user is able to view or obtain desired reference information for easily and promptly, since the identification information relevant to the indicated desired object is linked to the keyword information and the reference information, and is also made available for searching and/or providing the desired reference information.

According to Abrahams, a viewer can select the object within a displayed program using the pointer (see paragraph 0046) and when a desired object is selected by the viewer, the set top box (22) generates selection information including a program name, a program counter, and coordinates corresponding to the location of the selection within the display to the database, and sends the selection information to a database pointer (see paragraph 0047, 0048 and 0062). The database previously stores program selection information and searches for the program selection information which matches the sent selection information (see paragraph 0048, 0053 and 0062). Further, the PIP window is displayed on a screen (26) when the sent selection information is matched to the program selection information in the database, and the PIP window contains a link (URL to access interact address) regarding the selected object (see paragraph 0050, 0053 and 0062).

However, Abrahams does not disclose or teach sending the keyword information entered by user (viewer) and the reference information with the identification information. In the system or method discussed in Abrahams, the "selection information" sent from STB (22)

to the database contains only the identification information (containing the position information regarding the indicated object). However, the selection information does not include the keyword information entered by the user and the reference information. Further, not even "name of program (title of the video program)" stated in Abrahams corresponds to the "keyword information" claimed by Applicants since Abrahams has not indicated that the "name of program" is entered by user.

According to the invention, since the information registering device sends the identification information together with the keyword information entered by user and the reference information, information of interest can be exchanged between users. Abrahams has not considered such the exchange or provision of the information. As further recognized in the Office Action, Abrahams does not disclose the matching of first and second keyword information. Instead, Arsenault is relied upon for teaching the linking of information in digital broadcasting, in general.

Arsenault discloses a receiver station (88) that receives program guide objects and generates a keyword table based on the received program guide objects (see column 17, line 11-32). The user can enter a text string (program name, etc.) using a displayed keyboard and remote control. The receiver station (88) searches and displays entries that match the entered text in the keyword table (see column 18, line 55- column 19, line 13). However, Arsenault does not disclose or teach sending the keyword information entered by a user (viewer) and the reference information with the identification information to the database through the computer network. In the system or method discussed in Arsenault, the entered text string (keyword) is used only for searching a program name or actor's name inside a receiver, not used to exchange

or provide information of interest to a user through the computer network. That is, Arsenault's system or method does not send the identification information together with the keyword information entered by user and the reference information.

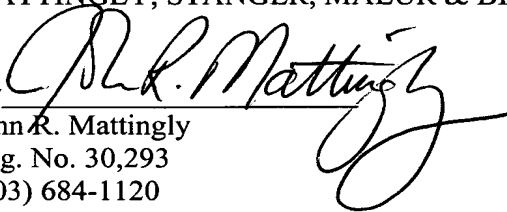
Accordingly, Arsenault does not accomplish the searching of information of interest through a computer network. Furthermore, neither Abrahams nor Arsenault disclose the information registering device or step that sends identification information together with keyword information entered by a user and the reference information, as required in the claimed invention. As a result, the combination of Abrahams and Arsenault does not render the invention unpatentable under 35 U.S.C. § 103(a) and therefore the rejection should be withdrawn.

CONCLUSION

In view of the foregoing, Applicants respectfully request reexamination and reconsideration.

Respectfully submitted,

MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.

By 
John R. Mattingly
Reg. No. 30,293
(703) 684-1120

JRM/so
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